



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

October 2, 2019

Dr. Robert Dimeo, Director
NIST Center for Neutron Research
National Institute of Standards and Technology
U.S. Department of Commerce
100 Bureau Drive Mail Stop 8561
Gaithersburg, MD 20899-8561

SUBJECT: NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY -
NON-ACCEPTANCE OF AMENDMENT REQUEST WITH OPPORTUNITY
TO SUPPLEMENT, FOR THE RENEWED FACILITY LICENSE NO. TR-5
(EPID: L-2019-LLA-0193)

Dear Dr. Dimeo

By letter dated July 5, 2019 (Agencywide Documents Access and Management System Accession No. ML19197A045), the National Institute of Standards and Technology (NIST) submitted a license amendment request (LAR or application) for the NIST Center for Neutron Research Test Reactor. The proposed LAR would modify the NIST license conditions regarding its physical security plan.

The purpose of this letter is to provide the results of the U.S. Nuclear Regulatory Commission (NRC) staff acceptance review of this LAR. The acceptance review was performed to determine if there is sufficient technical information in scope and depth to allow the NRC staff to complete its detailed technical review. The acceptance review is also intended to identify whether the LAR has any readily apparent information insufficiencies in its characterization of the regulatory requirements or the licensing basis of the facility.

Consistent with Section 50.90 of Title 10 of the *Code of Federal Regulations* (10 CFR), an amendment to the license (including the technical specifications) must fully describe the changes requested, and follow as far as applicable, the form prescribed for original application. Section 50.34 of 10 CFR addresses the content of technical information required. This section stipulates that the submittal address the design and operating characteristics, unusual or novel design features, and principal safety considerations.

The NRC staff requests that you supplement the application to address the information requested in the enclosure within thirty (30) days from the date of this letter. This will enable the NRC staff to begin its detailed technical review. If the information responsive to the NRC staff request is not received by the above date, the application will not be accepted for review pursuant to 10 CFR 2.101, and the NRC staff will cease its review activities associated with the application. If the application is subsequently accepted for review, you will be advised of any further information needed to support the NRC staff detailed technical review by separate correspondent.

The information requested and associated time frame in this letter were discussed with Dr. Thomas Newton of your staff on September 16, 2019.

If you have any questions, please contact me at (301) 415-1404, or by electronic mail at Xiaosong.Yin@nrc.gov.

Sincerely,

/RA/

Xiaosong Yin, Project Manager
Research and Test Reactors Licensing Branch
Division of Licensing Projects
Office of Nuclear Reactor Regulation

Docket No. 50-184
License No. TR-5

Enclosure:
As stated

cc: w/enclosure: See next page

cc:

Environmental Program Manager III
Radiological Health Program
Air & Radiation Management Adm.
Maryland Dept of the Environment
1800 Washington Blvd, Suite 750
Baltimore, MD 21230-1724

Director, Department of State Planning
301 West Preston Street
Baltimore, MD 21201

Director, Air & Radiation Management Adm.
Maryland Dept of the Environment
1800 Washington Blvd, Suite 710
Baltimore, MD 21230

Director, Department of Natural Resources
Power Plant Siting Program
Energy and Coastal Zone Administration
Tawes State Office Building
Annapolis, MD 21401

President
Montgomery County Council
100 Maryland Avenue
Rockville, MD 20850

Test, Research and Training
Reactor Newsletter
Attention: Ms. Amber Johnson
Dept of Materials Science and Engineering
University of Maryland
4418 Stadium Drive
College Park, MD 20742-2115

Dr. Thomas H. Newton, Deputy Director
National Institute of Standards and
Technology
NIST Center for Neutron Research
U.S. Department of Commerce
100 Bureau Drive, Mail Stop 6101
Gaithersburg, MD 20899-6101

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ADAMS Accession No. ML19267A135**NRR-058**

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OFFICE OF NUCLEAR REACTOR REGULATION
SUPPLEMENTAL INFORMATION NEEDED FOR
LICENSE AMENDMENT REQUEST
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY
LICENSE NO. TR-5; DOCKET NO. 50-184

- 1) Provide a full updated and most current version of the National Institute of Standards and Technology facility physical security plan with all the attachments.

Enclosure